

FDMF6820A

FDMF6820A Information

Repartielsener.court	Part Number Manufacturer Category Description Package	FDMF6820A Fairchild/ON Semiconductor Integrated Circuits (ICs) PMIC - Full, Half-Bridge Drivers MODULE DRMOS 60A 40-PQFN 40-PowerTFQFN For the pricing/inventory/lead time, please contact	
For Reference Only		us Website: https://www.heisener.com E-mail: salesdept@heisener.com	Request a Quote

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FDMF6820A Specifications

AnufacturerFairchild/ON SemiconductorCategoryIntegrated Circuits (ICs)Package40-PowerTFQFNPackage40-PowerTFQFNSeriesXS? DrMOSDutpt ConfigurationHalf BridgeApplicationsSynchronous Buck ConvertersInterfacePWMLoad TypeInductivePachnologyDrMOSRds On (Typ)10hm LS, 10hm HSCurrent - Output / Channel60ACurrent - Peak Output-Voltage - Load3 V ~ 15 VVoltage - Load3 V ~ 16 VOperating Temperature-40°C ~ 150°C (TJ)FeaturesBootstrap Circuit, Status FlagFault ProtectionOver Temperature, Shoot-Through, UVLOPackage / Case40-PowerTFQFN		
CategoryIntegrated Circuits (ICs)Package40-PowerTFQFNPackage40-PowerTFQFNSeriesXS? DrMOSDutput ConfigurationHalf BridgeApplicationsSynchronous Buck ConvertersApplicationsMMLoad TypeInductiveContryInductiveContryOrthold SingerRds On (Typ)10hm LS, 10hm HSCurrent - Output / Channel6/0Current - Peak Output5.0 × 5.5 × 1.0 × 1.	Manufacturer Part Number	FDMF6820A
PMIC - Full, Half-Bridge DriversPackage40-PowerTFQFNSeriesXS? DrMOSDutput ConfigurationHalf BridgeApplicationsSynchronous Buck ConvertersInterfacePWMLoad TypeInductiveBrechnologyDrMOSRds On (Typ)1 Ohm LS, 1 Ohm HSCurrent - Output / Channel60ACurrent - Peak Output-Voltage - Supply4.5 V ~ 5.5 VVoltage - Load3 V ~ 16 VOperating Temperature-40°C ~ 150°C (TJ)FeaturesBootstrap Circuit, Status FlagFault ProtectionOver Temperature, Shoot-Through, UVLOMounting TypeSurface MountPackage / Case40-PQFN (6x6)	Manufacturer	Fairchild/ON Semiconductor
Package40-PowerTFQFNSeriesXS? DrMOSDutput ConfigurationHalf BridgeApplicationsSynchronous Buck ConvertersInterfacePWMLoad TypeInductiveTechnologyDrMOSRds On (Typ)1 Ohm LS, 1 Ohm HSCurrent - Output / Channel60ACurrent - Peak Output-Voltage - Supply4.5 V ~ 5.5 VVoltage - Load3 V ~ 16 VSpeating Temperature-40°C ~ 150°C (TJ)FeaturesBootstrap Circuit, Status FlagFault ProtectionOver Temperature, Shoot-Through, UVLOMounting TypeSurface MountPackage / Case40-POWerTFQFNSupplier Device Package40-PQFN (6x6)	Category	Integrated Circuits (ICs)
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ApplicationsSynchronous Buck ConvertersApplicationsPWMLoad TypeInductiveLoad TypeInductiveFechnologyDrMOSRds On (Typ)1 Ohm LS, 1 Ohm HSCurrent - Output / Channel60ACurrent - Peak Output-Voltage - Supply4.5 V ~ 5.5 VVoltage - Load3 V ~ 16 VOperating Temperature-40°C ~ 150°C (TJ)FeaturesBootstrap Circuit, Status FlagFault ProtectionOver Temperature, Shoot-Through, UVLOMounting TypeSurface MountPackage / Case40-PQFN (6x6)	Series	XS? DrMOS
InterfacePWMLoad TypeInductiveInductiveDrMOSRds On (Typ)1 Ohm LS, 1 Ohm HSCurrent - Output / Channel60ACurrent - Peak Output-Voltage - Supply4.5 V ~ 5.5 VVoltage - Load3 V ~ 16 VOperating Temperature-40°C ~ 150°C (TJ)FeaturesBootstrap Circuit, Status FlagFault ProtectionOver Temperature, Shoot-Through, UVLOMounting Type40-PowerTFQFNSupplier Device Package40-PQFN (6x6)	Output Configuration	Half Bridge
Load TypeInductiveLoad TypeInductiveFechnologyDrMOSRds On (Typ)1 Ohm LS, 1 Ohm HSCurrent - Output / Channel60ACurrent - Peak Output-Voltage - Supply4.5 V ~ 5.5 VVoltage - Load3 V ~ 16 VOperating Temperature-40°C ~ 150°C (TJ)FeaturesBootstrap Circuit, Status FlagFault ProtectionOver Temperature, Shoot-Through, UVLOMounting TypeSurface MountPackage / Case40-PowerTFQFNSupplier Device Package40-PQFN (6x6)	Applications	Synchronous Buck Converters
Factor of prInterventionFechnologyDrMOSRds On (Typ)1 Ohm LS, 1 Ohm HSCurrent - Output / Channel60ACurrent - Peak Output-Voltage - Supply4.5 V ~ 5.5 VVoltage - Load3 V ~ 16 VOperating Temperature-40°C ~ 150°C (TJ)FeaturesBootstrap Circuit, Status FlagFault ProtectionOver Temperature, Shoot-Through, UVLOMounting TypeSurface MountPackage / Case40-POwerTFQFNSupplier Device Package40-PQFN (6x6)	Interface	PWM
Rds On (Typ)1 Ohm LS, 1 Ohm HSCurrent - Output / Channel60ACurrent - Peak Output-Voltage - Supply4.5 V ~ 5.5 VVoltage - Load3 V ~ 16 VOperating Temperature-40°C ~ 150°C (TJ)FeaturesBootstrap Circuit, Status FlagFault ProtectionOver Temperature, Shoot-Through, UVLOMounting TypeSurface MountPackage / Case40-PowerTFQFNSupplier Device Package40-PQFN (6x6)	Load Type	Inductive
Current - Output / Channel60ACurrent - Peak Output-Voltage - Supply4.5 V ~ 5.5 VVoltage - Load3 V ~ 16 VOperating Temperature-40°C ~ 150°C (TJ)FeaturesBootstrap Circuit, Status FlagFault ProtectionOver Temperature, Shoot-Through, UVLOMounting TypeSurface MountPackage / Case40-PowerTFQFNSupplier Device Package40-PQFN (6x6)	Technology	DrMOS
Current - Peak Output-Voltage - Supply4.5 V ~ 5.5 VVoltage - Load3 V ~ 16 VOperating Temperature-40°C ~ 150°C (TJ)FeaturesBootstrap Circuit, Status FlagFault ProtectionOver Temperature, Shoot-Through, UVLOMounting TypeSurface MountPackage / Case40-PowerTFQFNSupplier Device Package40-PQFN (6x6)	Rds On (Typ)	1 Ohm LS, 1 Ohm HS
Voltage - Supply4.5 V ~ 5.5 VVoltage - Load3 V ~ 16 VOperating Temperature-40°C ~ 150°C (TJ)FeaturesBootstrap Circuit, Status FlagFault ProtectionOver Temperature, Shoot-Through, UVLOMounting TypeSurface MountPackage / Case40-PowerTFQFNSupplier Device Package40-PQFN (6x6)	Current - Output / Channel	60A
Voltage - Load3 V ~ 16 VOperating Temperature-40°C ~ 150°C (TJ)FeaturesBootstrap Circuit, Status FlagFault ProtectionOver Temperature, Shoot-Through, UVLOMounting TypeSurface MountPackage / Case40-PowerTFQFNSupplier Device Package40-PQFN (6x6)	Current - Peak Output	-
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FeaturesBootstrap Circuit, Status FlagFault ProtectionOver Temperature, Shoot-Through, UVLOMounting TypeSurface MountPackage / Case40-PowerTFQFNSupplier Device Package40-PQFN (6x6)	Voltage - Load	3 V ~ 16 V
Fault ProtectionOver Temperature, Shoot-Through, UVLOMounting TypeSurface MountPackage / Case40-PowerTFQFNSupplier Device Package40-PQFN (6x6)	Operating Temperature	-40°C ~ 150°C (TJ)
Mounting TypeSurface MountPackage / Case40-PowerTFQFNSupplier Device Package40-PQFN (6x6)	Features	Bootstrap Circuit, Status Flag
Package / Case 40-PowerTFQFN Supplier Device Package 40-PQFN (6x6)	Fault Protection	Over Temperature, Shoot-Through, UVLO
Supplier Device Package40-PQFN (6x6)	Mounting Type	Surface Mount
	Package / Case	40-PowerTFQFN
Report errors?	Supplier Device Package	40-PQFN (6x6)
		Report errors?

FDMF6820A Guarantees



Quality Guarantees

We provide 90 days warranty. * If the items you received were not in perfect quality, we would be responsible for your refund or replacement, but the items must be returned in their original condition.

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