

# 42551-52

#### 42551-52 Information



For Reference Only

Part Number	42551-52	
Manufacturer	Peregrine Semiconductor	
Category	RF/IF and RFID RF Switches	
Description	IC RF SWITCH SPDT 50 OHM 20-QFN	
Package	20-VFQFN Exposed Pad	
	For the pricing/inventory/lead time, please contact us Website: https://www.heisener.com E-mail: salesdept@heisener.com	



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## **Certified Quality**

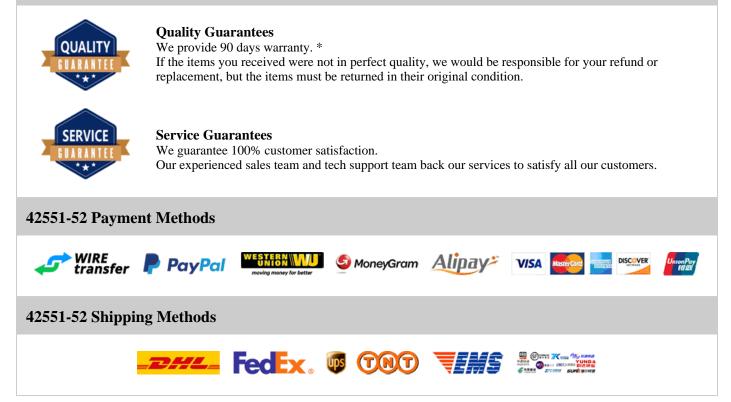
Heisener's commitment to quality has shaped our processes for sourcing, testing, shipping, and every step in between. This foundation underlies each component we sell.



## 42551-52 Specifications

Manufacturer Part Number	42551-52
Manufacturer	Peregrine Semiconductor
Category	RF/IF and RFID
	RF Switches
Package	20-VFQFN Exposed Pad
Series	UltraCMOS?, HaRP?
Frequency - Lower	9kHz
Frequency - Upper	6GHz
Isolation @ Frequency	21dB @ 6GHz (typ)
Insertion Loss @ Frequency	0.9dB @ 6GHz
IIP3	50dBm (typ)
Topology	Reflective
Circuit	SPDT
P1dB	34dBm (typ) IP1dB
Features	Single Line Control
Impedance	50 Ohm
Operating Temperature	$-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$
Voltage - Supply	2.5 V ~ 3 V
RF Type	General Purpose
Package / Case	20-VFQFN Exposed Pad
Supplier Device Package	20-QFN (4x4)
	Report errors?

#### 42551-52 Guarantees



If you have any question about 42551-52, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com