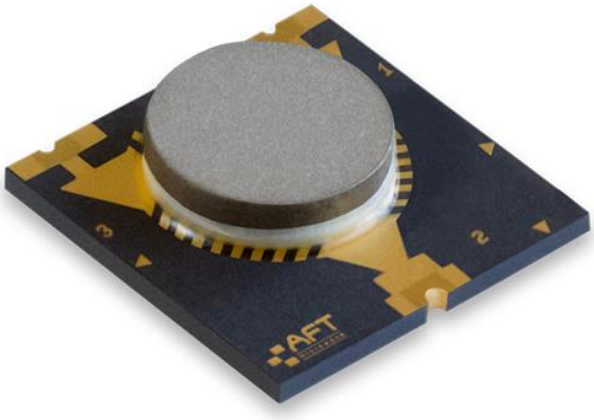

- True SMD device for reflow soldering to PCB
- Thin-film substrate-based microstrip circulator
- Small size, low profile & light weight
- Low insertion loss and high isolation
- Broadband design
- Designed for military, space and commercial applications
- RoHS compliant

Parameter	Standard Value	Remark
Product Type	Circulator	
Configuration	3-Port Y-Junction	
Frequency Range	8.5 – 10.5 GHz	
Forward Peak Power	10 W	nominal
Duty Cycle	30%	nominal
Reverse Power	10% 100%	permanently short-term without damage
Insertion Loss [1]	≤ 0.35 dB [1] ≤ 0.60 dB [1]	< 0.5 W, at room temperature (RT) at 10 W, at RT
Return Loss	≥ 20 dB	at RT
Isolation	≥ 18 dB	at RT
RF Waveguide	Microstrip line, 50 Ω	
RF Flanges / Connectors	SMD solder pads	
Metallization	Au / Ni / Au	chem. Ni / Au, reflow solderable [2]
Temperature Range	-40°C to +85°C	operational
	-40°C to 120°C	storage
	260°C max. for 10s	reflow soldering
Dimensions	7 x 7 x 2.5 mm^3	
Footprint Drawing	FP-10072603	
PCB Layout Drawing	FP-10073974	
PCB Material (recommended)	Rogers RO4003®, 300µm	Cu (50µm) / Ni (4µm) / Au (<1µm)

[1] Not applicable for the path 3 to 1
[2] Solderability and coating durability limited to 6 month after shipment