

Data Sheet for DROPIN CIRCULATOR for IFF Application 1020 – 1100 MHz

Part number: ND3100-224

DESCRIPTION

- Dropin Circulator
- Input/Output: tabs

SIZE

- 25.4x25.4x8.15mm
- Clockwise version
- Body: steel, nickel plating

APPLICATION

- TACAN, IFF
- Avionics and ground

FEATURES

- Wide band product
- Free of corona effect
- Special potted design to handle the peak power
- Caution after assembly of PCB: the tabs should be protected to handle the peak power

MAXIMUM RATINGS

N°	CHARACTERISTICS	SYMBOL	VALUES		UNIT
			MIN.	MAX.	
1	Input RF Power (CW)	Pin	--	100	W
2	Input RF Power (Peak power),30 microsec , 2 %	Ppeak	--	4	kW
3	Operating Temperature Range	Top	-25	+85	°C
4	Storage Temperature Range	Tstg	-55	+95	°C
5	Mass	m		40	g
6	SWR handling input and output :sea level	mn		30	mn

ELECTRICAL SPECIFICATIONS

N°	CHARACTERISTICS	SYMBOL	TYPICAL	VALUES		UNIT
				MIN.	MAX.	
1	Useful Frequency Range:	--	--	1020	1100	MHz
3	Return Loss at all ports room temp: S11,S22,S33	RL	19	18		dB
6	Insertion Loss level	IL	0.35	--	0.5	dB
7	Isolation S12	ISO	23	21	--	dB

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