

Ultra Wideband Directional Coupler

TS-DC-I37.2700-300-N

I37~2700MHz



Tone Spread
Solutions for Wireless Signal

Telecommunication Technology & Engineering Accessories

Rev.V1.0

MECHANICAL SPECIFICATIONS

Frequency Range	137 - 2700 MHz					
Coupling (dB)	5.0 ± 1.3	10 ± 1.5	15 ± 1.9	20 ± 2.2	30 ± 2.6	40 ± 3.0
Distribution Loss (dB)	1.65	0.46	0.14	0.044	0.004	0.004
Insertion Loss (dB)	≤ 0.7	≤ 0.5	≤ 0.4	≤ 0.3	≤ 0.3	≤ 0.3
Directivity	≥ 20 dB					
VSWR	≤ 1.4					
PIM ^{3rd} (2x43dBm)	≤ -160 dBc					
Power Rating	300 W					
Impedance	50 Ω					

MECHANICAL SPECIFICATIONS

Connectors Type	N-Female
Finish	Black
Dimensions (Reference only)	400 x 47 x 26 mm (Without Connector and Bracket)
Weight	TBD

ENVIRONMENTAL SPECIFICATIONS

Application Environment	Indoor or Outdoor
IP Rating	IP 65
Operating Temperature	-25 to +65 °C
Storage Temperature	-40°C to +80°C
Relative Humidity	5% to 95%

MECHANICAL OUTLINE DRAWING

