

Synergy Telecom P Ltd.

600-4200MHz 4.3-10 Female Directional Coupler

Part Number	ST-DC-0642-OPx-xxx						
Operating Frequency (MHz)	600-4200MHz						
Impedance (Ohm)	50						
VSWR	≤1.25						
Coupling (dB)@x	5	6	7	10	15	20	30
Tolerance	± 1.2	± 1.2	± 1.2	± 1.2	± 1.5	± 1.7	± 1.8
Insertion Loss (dB)	≤2.3	≤1.8	≤1.5	≤0.8	≤0.6	≤0.4	≤0.2
Isolation (dB)	≥23	≥24	≥25	≥28	≥33	≥38	≥45
IM3 (dBc @ 2×43dBm)@xxx	-150/ -160 / -163/-165						
Application	Indoor/Outdoor						
Degree of Protection	IP65						
Operating Temperature (°C)	-40 ~ + 80						
Interface	4.3-10 Female						
Handling Power (Watt) max)	500						
Peak Power	1500 (Watt, max)						
Dimension (mm)	138 × 44× 31.5						
Packing Dimensions (mm)	240 × 80 × 35						
Packing Carton Size (mm)	500 ×420 × 160						
ROHS Compliance	Yes						
Revision	R1						



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