

MALE SMB CONNECTOR

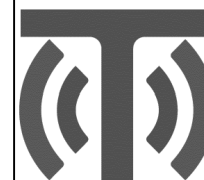
FEMALE SMB CONNECTOR

TECHNICAL CHARACTERISTICS

TEMPERATURE RANGE	-55°C ~ +155°C (PE CABLE -40°C ~ +85°C)
IMPEDANCE	50 Ω, 75 Ω
FREQUENCY RANGE	DC ~ 4GHz (50 Ω); DC ~ 2GHz (75 Ω)
WORKING VOLTAGE	335V R.M.S. AT SEA LEVEL
WITHSTANDING VOLTAGE	1000V R.M.S. AT SEA LEVEL
CONTACT RESISTANCE - CENTRE CONTACT	< 6 M Ω
CONTACT RESISTANCE - OUTER CONTACT	< 1 M Ω
INSULATION RESISTANCE	> 1000 M Ω
INSERTION LOSS	< 0.30 dB / 1.5GHz
CENTRE CONDUCTOR RETENTION FORCE	> 0.28 N
ENGAGEMENT FORCE	8 ~ 63 N
DISENGAGEMENT FORCE	8 ~ 63 N
VOLTAGE STANDING WAVE RATIO - STRAIGHT	< 1.35 / 3GHz
VOLTAGE STANDING WAVE RATIO - RIGHT ANGLE	< 1.45 / 1GHz
DURABILITY (MATING)	> 500 CYCLES

COMPONENT	MATERIAL	PLATING
BODY	BRASS	GOLD
PIN CONTACT	BRASS	GOLD
SOCKET CONTACT	BERYLLIUM - COPPER	GOLD
RESILIENT CONTACT	BERYLLIUM - COPPER	GOLD
CRIMP FERRULE	COPPER ALLOY	NICKEL OR GOLD
O-RING SEALING	6146 SILICONE RUBBER	
INSULATOR	PTFE	

GENERAL NOTES:  
ALL DIMENSIONS ARE IN MM UNLESS NOTED OTHERWISE



SCALE: DRAWING  
NOT TO SCALE

DO NOT SCALE  
IF IN DOUBT ASK

DWN: RO    CHK: DP

A	ISSUED	RO	07.08.13
REV	DESCRIPTION	BY	DATE

PROJECT	TELCO ANTENNAS
	RF COAXIAL CONNECTORS
TITLE	SMB TECHNICAL SPECIFICATIONS
DRG. No.	TA-RC-TS07
REV.	A