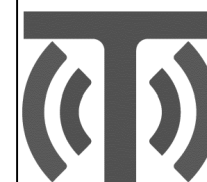


TECHNICAL CHARACTERISTICS

TEMPERATURE RANGE	-55°C ~ +155°C (PE CABLE -40°C ~ +85°C)
VIBRATION	98m/S ² (10Hz ~ 2000Hz) 10g
IMPEDANCE	50 Ω
FREQUENCY RANGE	DC ~ 12.4GHz (SEMI-RIGID CABLE DC-18GHz)
WORKING VOLTAGE	335V R.M.S. AT SEA LEVEL
WITHSTANDING VOLTAGE	1000V R.M.S. AT SEA LEVEL
CONTACT RESISTANCE - CENTRE CONTACT	< 3 M Ω
CONTACT RESISTANCE - OUTER CONTACT	< 2.5 M Ω
INSULATION RESISTANCE	> 5000 M Ω
INSERTION LOSS	< 0.15 dB / 6GHz
COUPLING NUT RETENTION FORCE	> 180 N
CENTRE CONDUCTOR RETENTION FORCE	> 0.28 N
VOLTAGE STANDING WAVE RATIO - STRAIGHT	< 1.10 + 0.02f < 1.07 + 0.018f
VOLTAGE STANDING WAVE RATIO - RIGHT ANGLE	< 1.20 + 0.03f < 1.17 + 0.02f
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
INSULATOR	PTFE	
O - RING SEALING	6146 SILICONE RUBBER	

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

REV	DESCRIPTION	BY	DATE
A	ISSUED	RO	04.06.13

PROJECT	TELCO ANTENNAS
	RF COAXIAL CONNECTORS
TITLE	SMA TECHNICAL SPECIFICATIONS
DRG. No.	TA-RC-TS02
REV.	A