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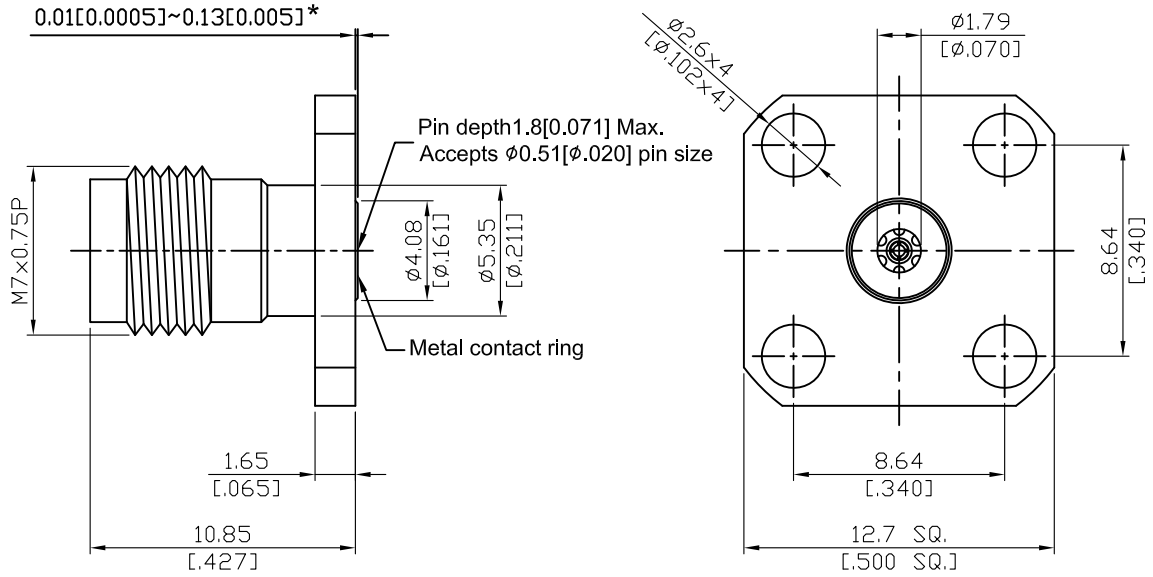
2.4-8F46C-EM20	2.4mm Field Replaceable Jack, SQ 12.7mm (.500inch) 4 Hole Flange With Metal Ring, Accepts ø0.51mm (.020inch) Pin, 50GHz VSWR 1.18	50Ω



*360° Raised Metal Contact Ring

Parts	Material	Plating (Micro-inch)
Body	Stainless Steel	Passivated
Insulator	PEI	
Contact Pin	Beryllium Copper	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Metal Contact Ring	Beryllium Copper	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20

This part number complies with RoHS.
Notice: JYEBAO reserves the right to make modifications deemed appropriate.

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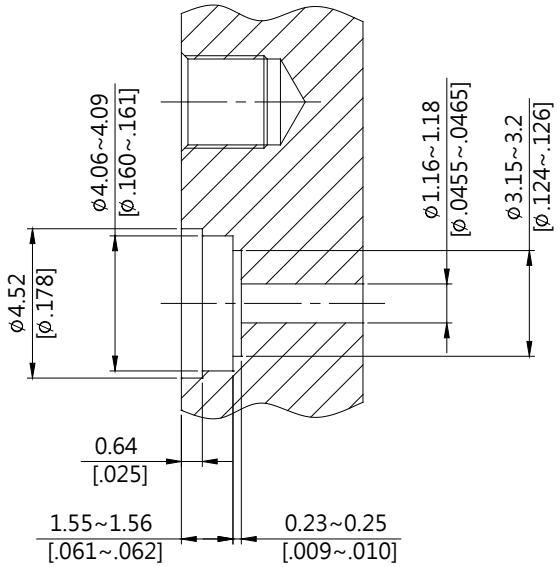
2.4	2.4-8F46C-EM20
Interface	
MIL-STD-348B	
Mechanically compatible with	1.85
Electrical Data	
Impedance	50Ω
Frequency range	DC to 50GHz
VSWR	≦1.18 (DC to 50GHz)
Insertion loss	≦0.05 x $\sqrt{f(GHz)}$ dB
Insulation resistance	≧5000MΩ
Contact resistance inner conductor	≦4mΩ
Contact resistance outer conductor	≦2.5mΩ
Dielectric withstanding voltage (sea level)	500V rms
Working voltage (sea level)	150V rms
RF leakage	≧100dB to 1GHz
Mechanical Data	
Recommended coupling nut torque	7.08 to 9.74 inch lbs
Coupling proof Torque	15 inch lbs
Contact captivation-axial	≧4.5 lbs
Durability (mating)	≧500
Environmental Data	
Temperature range	-40°C to +165°C
Thermal shock	MIL-STD-202, Method 107, Condition B
Moisture resistance	MIL-STD-202, Method 106
Corrosion	MIL-STD-202, Method 101, Condition B
RoHS	Compliant
Accessories	
Hermetic seal	SEAL.02
Launch pin & Dielectric transition	FR020-LAUNCH1; FR020-LAUNCH2
Tab pin & Dielectric transition	FR020-TAB2; FR020-TAB3
Tab pin	FR020-TAB1; FRPIN.02

Recommended Launch Hole Dimensions：

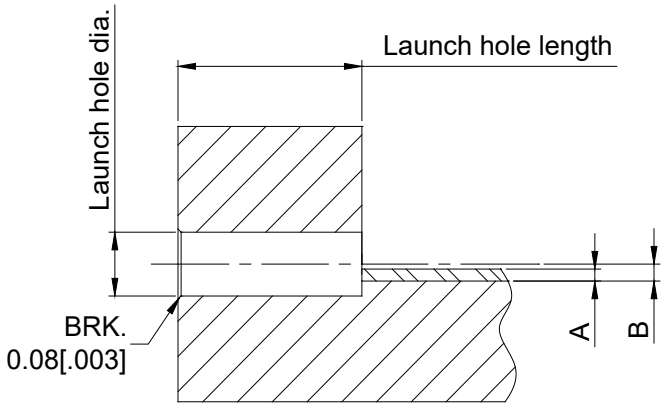
1. Using Hermetic seals



Hermetic seal P/N

SEAL.02

2. Using dielectric with Tab or Launch pin

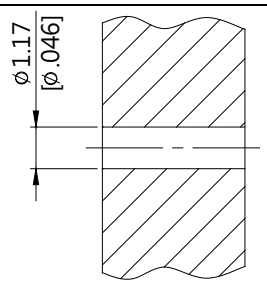


"A" = Substrate thickness

"B" = A + 1/2 Tab or Launch terminal

Dielectric and Tab/Launch pin P/N	Recommended Launch hole dia.	Recommended Launch hole length
FR020-LAUNCH1	ϕ 1.63 (.064)	4.75 (.187)
FR020-LAUNCH2	ϕ 1.63 (.064)	3.18 (.125)
FR020-TAB2	ϕ 1.63 (.064)	4.75 (.187)
FR020-TAB3	ϕ 1.63 (.064)	3.18 (.125)

3. Using Tab pin



Tab pin P/N

FR020-TAB1
FRPIN.02

2.4-8F46C-EM20

S11