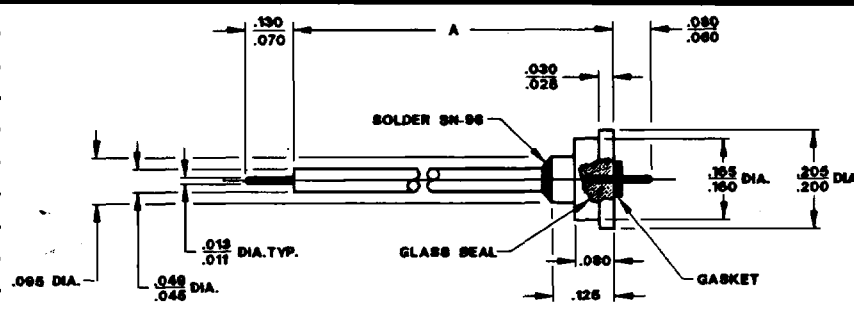


dynasealTM

PATENT 4,737,601

DIM. "A"

6.00
5.50
5.00
4.50
3.00
2.50
2.00
1.50
1.00



An hermetically-sealed cable assembly for MIC packages that can be used with field replaceable connectors and also provides package designers with internal design freedom in hermetic MIC components.

ELECTRICAL

FREQUENCY RANGE	GHz DC TO 20.0 GHz
VSWR (MAX.)*	1.05 + .006 x FGHz
INSERTION LOSS (dB MAX.)*	.05 dB/INCH x $\sqrt{\text{FGHz}}$
NOMINAL IMPEDANCE (OHMS)	50
VOLTAGE RATING (MAX. VRMS)	170
RF LEAKAGE (MIN. dB DOWN)	100 dB - FGHz
TEMPERATURE RATING (DEGREES CENTIGRADE)	-65°C TO + 125°C
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	800
INSULATION RESISTANCE (MIN. MEGOHMS)	5,000
CONTACT RESISTANCE:	

MECHANICAL

CAPTIVATION-CENTER CONTACT:	
MAX. AXIAL FORCE	4.5 LBS.
MAX. RADIAL TORQUE	2.0 IN. OZ
CENTER CONTACT AXIAL FORCES:	

ENVIRONMENTAL

TEMPERATURE CYCLING	MIL-STD-202, METHOD 102, COND. C (-65°C TO + 125°C)
SHOCK	MIL-STD-202, METHOD 213, COND. I (100 G's)
VIBRATION	MIL-STD-202, METHOD 204, COND. D (20 G's)
MOISTURE RESISTANCE	MIL-STD-202, METHOD 106, LESS STEP 7b
CORROSION	MIL-STD-202, METHOD 101, COND. B (48 HOURS)
BAROMETRIC PRESSURE (ALTITUDE)	MIL-STD-202, METHOD 105, COND. C (70,000 FT.) (125 VRMS)

MATERIAL

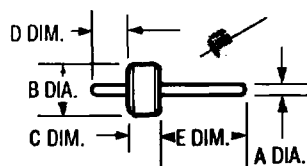
BODY	STAINLESS STEEL PER AMS 5640, TYPE 303, COND. A
GLASS PIN	NON-MAGNETIC ALLOY
CABLE, OUTER CONDUCTOR	COPPER
SOLDER	SN-96 (430°F)
GASKET	SILICON RUBBER

FINISH

BODY AND GLASS PIN	GOLD PER MIL-G-45204, TYPE I, GRADE C, CLASS 1 OVER NICKEL PER MIL-C-28074, CLASS 1, (.0001 MIN. THK.)
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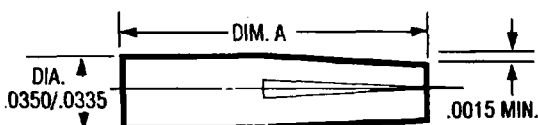
accessories

50-OHM GLASS SEAL FEEDTHROUGH



DIA. "A"	DIA. "B"	DIM. "C"	DIM. "D"	DIM. "E"	MATERIAL	MAX. FREQ. GHz	FINISH	PART NUMBER
.013/.011	.100/.097	.065/.060	.080/.065	.190/.170	KOVAR	37.0		455-02-012
.013/.011	.078/.075	.071/.067	.060/.050	.190/.170	KOVAR	46.0	GOLD	455-02-042
.016/.014	.100/.097	.065/.060	.080/.065	.190/.170	KOVAR	39.0	OVER	455-02-015
.019/.017	.113/.110	.065/.065	.080/.065	.190/.170	KOVAR	30.0	NICKEL	455-02-018
.021/.019	.159/.156	.061/.059	.065/.055	.075/.065	KOVAR	20.0		455-02-024

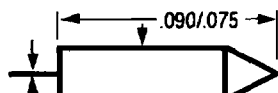
FEMALE SOCKET CONTACT



DIM. "A"	ACCEPTS PIN DIA.	MATERIAL	FINISH	PART NUMBER
.104/.100	.016/.011*	BERYLLIUM	GOLD	366-97-016
.104/.100	.021/.017*	COPPER	GOLD	366-97-021
.139/.135	.016/.011	HEAT TREATED	GOLD	366-97-015
.139/.135	.021/.017		GOLD	366-97-020

*THRU HOLE

MALE PIN CONTACT WITH TAB



DIA. "A"	MATERIAL	FINISH	PART NUMBER
.016/.014	BERYLLIUM	GOLD	366-96-015
.021/.019	COPPER	GOLD	366-96-020

TAB .066/.003 THK X .035 LG A DIA.