



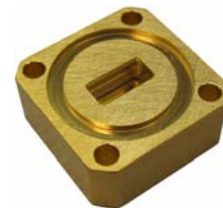
QUARTZ VACUUM WINDOWS

DATA SHEET No. T175

- HERMETIC
- LOW VSWR
- HIGH POWER

DESCRIPTION

These rectangular waveguide windows are ideal for vacuum and pressure-tight applications. The dielectric is high-temperature Quartz, brazed directly to a low-CTE KOVAR frame, to maintain the vacuum seal over a wide temperature range with no epoxy or adhesives. These windows withstand 15 PSI of differential pressure, in either direction. They handle high Peak, Average and CW power levels. Most models cover the full waveguide band with VSWR under 1.10:1 and insertion loss under 0.05 dB.



MODEL#	Waveguide Size	Frequency Range	Power rating (CW or Avg.)	Thickness
A270Q	WR-28	26.5-40	400	.38
Y270Q	WR-34	25-32	400	.38
K270Q	WR-42	18-26.5	400	.25
N270Q	WR-51	18-22	500	.38
P270Q	WR-62	12.4-18	600	.38
M270Q	WR-75	10-15	1000	.38
X270Q	WR-90	8.2-12.4	1500	.38
W270Q	WR-102	7-11	2000	.38
H270Q	WR-112	7.05-10	2000	.25
J270Q	WR-137	5.85-8.2	2000	.38
D270Q	WR-159	4.90-7.05	2500	.38
G270Q	WR-187	3.95-5.85	2500	.38
B270Q	WR-229	3.3-4.9	2500	.38
S270Q	WR-284	2.6-3.95	2500	.63
LS270Q	WR-340	2.2-3.3	3000	.63
LA270Q	WR-430	1.7-2.6	3000	.63

Notes: 1. Flange combinations include cover/cover, cover/groove or groove/groove pattern, with thru-holes in both UG, CPR and CMR styles.

2. Alternate configurations and additional high power cooling options are available upon request.

Ordering Data:

TYPICAL PART NO. (example) K270Q - 1 - 2 - S

MODEL NUMBER: _____

INPUT FLANGE*: _____

OUTPUT FLANGE*: _____

MATERIAL FINISH: _____

G-GOLD plated, S-SILVER plated, K-KOVAR base metal

* COVER: 1 GASKET: 2 CMR: 3 CPR F: 4 CPRG: 5

