



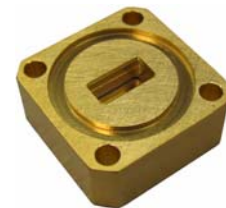
QUARTZ VACUUM WINDOWS

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.



MODEL#	Waveguide Size	Frequency Range	VSWR*	Ω	Power rating (CW or Avg.)	Thickness
A270Q	WR-28	26.5-40	1.5	.5	400	.38
Y270Q	WR-34	25-32	1.4	.4	400	.38
K270Q	WR-42	18-26.5	1.3	.3	400	.25
N270Q	WR-51	18-22	1.3	.3	500	.38
P270Q	WR-62	12.4-18	1.3	.3	600	.38
M270Q	WR-75	10-15	1.2	.3	1000	.38
X270Q	WR-90	8.2-12.4	1.2	.3	1500	.38
W270Q	WR-102	7-11	1.2	.2	2000	.38
H270Q	WR-112	7.05-10	1.2	.2	2000	.25
J270Q	WR-137	5.85-8.2	1.2	.2	2000	.38
D270Q	WR-159	4.90-7.05	1.2	.2	2500	.38
G270Q	WR-187	3.95-5.85	1.2	.2	2500	.38
B270Q	WR-229	3.3-4.9	1.2	.2	2500	.38
S270Q	WR-284	2.6-3.95	1.2	.2	2500	.63
LS270Q	WR-340	2.2-3.3	1.2	.2	3000	.63
LA270Q	WR-430	1.7-2.6	1.2	.2	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

* Narrower bands with lower VSWR and IL available

