



# Vidicon Camera Tube Types

## EMI VIDICON CAMERA TUBE TYPES

### STANDARD 26 mm (1 in) SEPARATE MESH VIDICONS

Suitable for broadcast and closed circuit applications

Standard length 6.3 V 90 mA	Standard length 6.3 V 300 mA	Short length 6.3 V 90 mA	Description and application
9677S1	9728S1		High grade tube for Broadcast Studio use.
9677S2	9728S2	9706S2	General tube for Broadcast and Educational Studio use.
9677F1	9728F1		High grade tube for Broadcast Telecine use.
9677F2	9728F2	9706F2	General tube for Broadcast and Educational Telecine use.
9677BX	9728BX		High grade tube for use with Medical X-Ray equipment.
9677B	9728B		High grade tube for Industrial use under low light level.
9677C	9728C	9706C	General Industrial tube.
9677M	9728M	9706M	Tube to a relaxed blemish specification.
9677 Amateur	9728 Amateur		Economical tube for experimental use.

### SPECIAL PURPOSE 26 mm (1 in) SEPARATE MESH VIDICONS

Tubes with special faceplates, targets or other features making them suitable for particular applications. Generally available in two grades, 1 and 2, the latter to a relaxed blemish specification.

9677D	(90 mA heater)	}	Tubes with fibre optic faceplates for direct optical coupling.
9728D	(300 mA heater)		
9677Q	(90 mA heater)	}	Tubes with quartz faceplates for use in fields of nuclear radiation.
9728Q	(300 mA heater)		
9677UV	(90 mA heater)	}	Tubes with quartz faceplates and unity gamma ultra violet sensitive targets. The red response is negligible (2500 Å to 6000 Å).
9728UV	(300 mA heater)		
9730*	(90 mA heater)		Short length rugged construction.
9745	(90 mA heater)		Tube with electrostatic deflection and focus.
9745D	(90 mA heater)		Electrostatic tube with fibre optic faceplate for direct optical coupling.
9745Q	(90 mA heater)		Electrostatic tube with quartz faceplate for use in field of nuclear radiation.

### 18 mm (2/3 in) SEPARATE MESH VIDICONS

9831S	(90 mA heater)	Broadcast and Educational Studio use.
9831F	(90 mA heater)	Broadcast and Educational Telecine use.
9831	(90 mA heater)	General purpose tube for use in compact closed circuit television cameras.
9831D	(90 mA heater)	Tube with fibre optic faceplate for direct optical coupling.
9831Q	(90 mA heater)	Tube with quartz faceplate for use in field of high nuclear radiation.
9831UV	(90 mA heater)	Tube with quartz faceplate and unity gamma ultra violet sensitive target.

### 13 mm (1/2 in) SEPARATE MESH VIDICONS \*

9737	(90 mA heater)	Similar to 9738, with a unity gamma fine grain target for slow scan applications such as star tracking.
9738	(90 mA heater)	Rugged construction for general use. The resolution capability is exceptionally high for this size of vidicon.
9738D	(90 mA heater)	Tube with fibre optic faceplate for direct optical coupling.
9738N	(90 mA heater)	Similar to 9738 but meeting a specific rugged specification.
9738Q	(90 mA heater)	Tube with quartz faceplate for use in field of high nuclear radiation.
9738UV	(90 mA heater)	Tube with quartz faceplate and unity gamma ultra violet sensitive target.

### DEVELOPMENTAL VIDICONS

Samples of various types of developmental tubes are available, e.g. very short length magnetic and electrostatic, 13 mm diameter electrostatic, etc. Enquiries regarding these or similar tubes are welcomed.

\* Mesh connection brought out adjacent to target connection.