

NAVAL INVENTORY CONTROL POINT				CODE IDENT		SPI NUMBER	
SPECIAL PACKAGING INSTRUCTION (SPI)				03950		10095	
NOMENCLATURE ELECTRON TUBE, REPAIRABLE			NATIONAL STOCK NUMBER VARIOUS			DATE 16 JUNE 1997	REV C
QUP	MAXIMUM UNIT PACKAGE WEIGHT		MAXIMUM UNIT PACKAGE CUBE		MAXIMUM UNIT PACKAGE DIMENTIONS		DRAWN BY: GKK APPROVED: GWW
001	VARIOUS		VARIOUS		VARIOUS		SHEET 1 OF 2

PACKAGING REQUIREMENTS DATA PER MIL-STD-2073-1C:

H	M	QUP	ICQ	PRES METH	C D	PRES MATL	WRAP MATL	CUSH DUNN	C T	UNIT CTNR	L P	INTM CTNR	U L	SPEC MKG	PACK- ING	UNIT PACK WEIGHT	UNIT PACK CUBE	O P I
N		001	000	ZZ	1	00	XX	XX	X	XX	A	00	A	ZZ	FFF			A

1. Repairable electron tubes shall be packaged in accordance with MIL-E-75 and paragraphs (a) and (b), as applicable. Paragraph (c) provides additional guidelines to be used in conjunction with paragraphs (a) and (b) for packaging magnetrons and magnetic electron tubes. Paragraph (a) requires packaging in a rigid metal container conforming to MIL-D-6054. Paragraph (b) shall be used when the physical characteristics of the electron tube are not suitable for a metal container.

a. Each tube shall be individually unit packaged in a reusable rigid container with a recessed cover and bolt closure conforming to movement of the item within the unit container. The cushioning materials shall be adequately cushioned to prevent movement of the item within the unit container. The cushioning materials shall be arranged to permit easy insertion and removal of the electron tube from the unit container. Cushioning materials shall be one of the following: MIL-P-26514 Polyurethane Foam, PPP-C-1120 Bound Fiber, PPP-C-1752 Polyethylene Foam or PPP-C-850 Polystyrene. When foam cushioning materials are used they shall be properly cured and thoroughly dry. When watervaporproof barrier is required, the MIL-D-6054 metal container will provide the necessary protection.

b. Each tube shall be packaged in accordance with MIL-E-75 and placed in a unit container conforming to PPP-B-601, overseas type. The unit container shall be modified so that the top panel is attached to the side and end panels by inserting screws through the side and end cleats. MIL-B-131, Class I barrier material shall be used to provide watervaporproof protection to the item.

c. Electron tubes having permanent magnets and those that are magnetic shall be packaged in accordance with paragraph (a) and (b) with some exceptions. When the physical characteristics of the magnetic electron tube

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(including minimum protective distance), are compatible with a metal reusable container, packaging shall be in accordance with paragraph (a) and paragraph 3.2.1.4.3 of MIL-E-75 and shielding requirements of MIL-S-4473. A minimum protective distance of four inches shall be maintained between the outer magnetic surfaces of the item and the outside of the unit container. When the physical characteristics of the magnetic electron tube prevent use of metal container, packaging shall be in accordance with paragraph (b) and shielding requirements of MIL-S-4473. The application of shielding will be in addition to any preservation, packaging or packing requirements. When shielded items are procured for storage, the shielding material shall not serve as the exterior of the shipping container except when steel drums or other steel containers are used as shielding.

2. No further packing shall be required, however the supplier may further consolidate for convenience of shipment.

3. In addition to the container markings required in MIL-E-75, each exterior shipping container shall be marked as follows:

Paragraph (a) metal drum: "REUSABLE CONTAINER AND CUSHIONING MATERIAL - RETAIN FOR REUSE"

Paragraph (b) plywood box: "REUSABLE CONTAINER AND CUSHIONING MATERIAL - RETAIN FOR REUSE"., also: "TO OPEN - BREAK BANDS AND REMOVE WOOD SCREWS WITH SCREWDRIVER"

Paragraph (c) "METHOD 50" (formerly Method II): "MAGNETIZED" material markings shall be applied in accordance with MIL-STD-129 when applicable.

4. When special handling or unpacking instructions are necessary, one set of these instructions shall be placed in a sealed envelope prominently marked "Handling and Unpacking Instructions" and firmly secured to the outside of the shipping container.