

Products for Parts Per Million (PPM) and Statistica Process Control (SPC)

General :

A Unless otherwise specified, it should be performed per MIL-STD-105E leve II, normal inspection.
 (AQL-Acceptable Quality Level) B Mechanical and marking inspection should be performed with unaided eyes.

Targets and Schedule :

TYPE	PACKING	DEMERITS	PPM LEVEL			
			EXISTING	TARGET		
				1997/8	1999	
RECTIFIERS	DIODES	TAPE-REEL	CRITICAL	50	30	10
			MAJOR	150	70	50
	BULK	CRITICAL	70	30	10	
		MAJOR	150	70	50	
	BRIDGES	BOX AND TUBE	CRITICAL	100	50	20
			MAJOR	200	100	50

The Program of Statistical Process Control (SPC), as part of TQC (Total Quality Control,) aims at improving the workmanship and enhancing the reliability and quality of products through personal involvement and participation of all employees. The SPC targets are listed below :

	1997	1998	1998	Process area :
CPK VALUE	1998	1998	1998	Diffusion, etching molding and marking

Definition of Dmerits :

CRITICAL : Open and Short (O/S), Reverse Polarity (R/P)

MAJOR : IR out of spec. reading @ rated VR.

VF out of spec. reading @ rated IF.

TRR out of sped. reading

Poor solderabilit.

Mixed / Wrong type of products.

Marking missing over 50% area or illegible.