

TDK SDLT1

TDK Super DLT-1 Data Tape (SDLT1) User Manual

Model: SDLT1 | Capacity: 160 / 320 GB

1. INTRODUCTION

This manual provides essential instructions for the proper handling, setup, operation, and maintenance of your TDK Super DLT-1 Data Tape (SDLT1). The TDK Super DLT-1 tape is designed for reliable data storage and backup, offering a native capacity of 160 GB and a compressed capacity of up to 320 GB. It is intended for use with compatible Super DLT (SDLT) tape drives. Adhering to these guidelines will help ensure optimal performance and longevity of your data tape.



Figure 1: TDK Super DLT-1 Data Tape cartridge. This image displays the standard black rectangular form factor of the data tape, indicating its robust design for secure data storage.

2. SETUP

Before using the TDK Super DLT-1 Data Tape, ensure you have a compatible Super DLT (SDLT) tape drive installed and configured according to its manufacturer's instructions.

- Unpacking:** Carefully remove the data tape from its packaging. Avoid touching the tape surface or the leader pin.
- Inspection:** Visually inspect the tape cartridge for any signs of damage. Do not use a damaged tape.
- Loading into Drive:** With the tape drive powered on and ready, gently insert the TDK Super DLT-1 tape into the drive's loading slot. Ensure it is oriented correctly, typically with the label facing upwards or as indicated by the drive's design. The drive mechanism should automatically pull the tape into position.
- Drive Recognition:** Wait for the tape drive and your operating system or backup software to recognize the tape. This may take a few moments.

3. OPERATING INSTRUCTIONS

Once the TDK Super DLT-1 tape is loaded and recognized by your system, you can proceed with data backup or restoration operations using your chosen backup software.

- **Data Backup:**
 - Launch your backup software.
 - Select the data you wish to back up.
 - Choose the Super DLT drive as the destination.
 - Initiate the backup process. Monitor the software for progress and any error messages.
- **Data Restoration:**
 - Load the appropriate TDK Super DLT-1 tape containing the desired backup into the drive.
 - Launch your backup software and navigate to the restore function.
 - Select the files or directories to restore and the destination location.
 - Initiate the restoration process.
- **Ejecting the Tape:** Always use the software's eject function or the tape drive's physical eject button to safely unload the tape. Never forcibly remove a tape while the drive is active or the tape is being accessed.

Note: For detailed instructions on using your specific backup software, refer to its documentation.

4. MAINTENANCE

Proper maintenance and handling are crucial for the longevity and reliability of your TDK Super DLT-1 Data Tape.

- **Storage:** Store tapes in their original protective cases or a dedicated tape library. Keep them in a cool, dry environment, away from direct sunlight, extreme temperatures, humidity, and strong magnetic fields. Recommended storage temperature is 18°C to 25°C (64°F to 77°F) with relative humidity between 20% and 80%.
- **Handling:** Always handle tapes by their edges. Avoid touching the tape media or the leader pin. Do not drop or subject tapes to physical shock.
- **Cleaning:** Data tapes generally do not require user cleaning. If you suspect a tape is dirty, consult your tape drive's manual for recommendations on drive cleaning cartridges, as a dirty drive is often the cause of tape-related issues.
- **Labeling:** Clearly label each tape with its contents, date of backup, and any other relevant information to ensure proper organization and retrieval.

5. TROUBLESHOOTING

If you encounter issues with your TDK Super DLT-1 Data Tape, consider the following common troubleshooting steps:

- **Tape Not Recognized:**
 - Ensure the tape is fully and correctly inserted into the drive.
 - Check if the tape drive itself is powered on and properly connected to the host system.
 - Verify that the tape drive drivers are installed and up to date.
 - Try a different, known-good tape to rule out a drive issue.

- **Read/Write Errors:**

- Ensure the tape is not write-protected (if applicable, though DLT tapes typically don't have a physical write-protect tab).
- Clean the tape drive heads using a compatible cleaning cartridge as per the drive manufacturer's instructions.
- Try the operation with a different tape.
- Check your backup software logs for specific error codes.

- **Slow Performance:**

- Verify that your system resources (CPU, RAM, disk I/O) are not bottlenecking the tape operation.
- Ensure the tape drive is connected to a high-speed interface (e.g., SCSI, Fibre Channel) and that the cables are in good condition.
- Check for fragmentation on the source disk if backing up from a local drive.

If problems persist, consult your tape drive's documentation or contact TDK support or your reseller for further assistance.





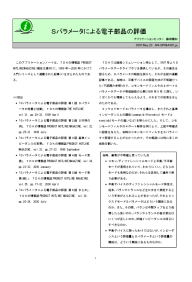
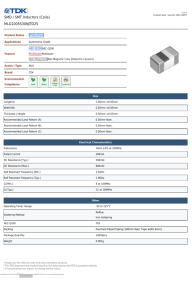
6. SPECIFICATIONS

Brand	TDK
Model	SDLT1
Tape Type	Super DLT-1 Data Tape
Native Capacity	160 GB
Compressed Capacity	Up to 320 GB
Compatibility	Super DLT (SDLT) Tape Drives
UPC	747925383008

7. WARRANTY AND SUPPORT

For specific warranty information regarding your TDK Super DLT-1 Data Tape, please refer to the documentation provided at the time of purchase or contact your reseller. TDK's official website may also provide general warranty terms and conditions for their products.

For technical support or further inquiries, please contact the vendor from whom you purchased this product or visit the official TDK support website for assistance.

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	<p>TDK MLG1005S30NJTD25 SMD/SMT Inductor Specifications</p> <p>Detailed specifications for the TDK MLG1005S30NJTD25 multilayer SMD/SMT inductor, including electrical characteristics, dimensions, and environmental compliance. Suitable for automotive applications.</p>

